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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-25. (Canceled)

26. (New) A method of specifically inhibiting fusion of an HIV-1 envelope glycoprotein⁺ cell with a CD4⁺ cell that fuses with such HIV-1 envelope glycoprotein⁺ cell, which comprises contacting the CD4⁺ cell with an antibody that (1) inhibits HIV-1 envelope glycoprotein mediated membrane fusion of HeLa-env_{JR-FL} to a PM1 cell, but (2) does not inhibit HIV-1 envelope glycoprotein mediated membrane fusion of HeLa-env_{LAI} to a HeLa-CD4⁺ cell, so as to thereby inhibit fusion of the HIV-1 envelope glycoprotein⁺ cell with the CD4⁺ cell.

27. (New) The method of claim 26, wherein the antibody is a monoclonal antibody.

28. (New) The method of claim 27, wherein the monoclonal antibody is a chimeric antibody.

29. (New) The method of claim 27, wherein the monoclonal antibody is a synthetic antibody.

30. (New) The method of claim 26, wherein the antibody is an antigen binding fragment of an antibody.

31. (New) A method of inhibiting infection of a CD4⁺ cell by HIV-1, which comprises contacting the CD4⁺ cell with an antibody that (1) inhibits HIV-1 envelope glycoprotein mediated membrane fusion of HeLa-env_{JR-FL} to a PM1 cell, but (2) does not inhibit HIV-1 envelope glycoprotein mediated membrane fusion of HeLa-env_{LAI} to a HeLa-CD4⁺ cell, so as to thereby inhibit infection of the CD4⁺ cell by HIV-1.

32. (New) The method of claim 31, wherein the antibody is a

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monoclonal antibody.

33. (New) The method of claim 32, wherein the monoclonal antibody is a chimeric antibody.
34. (New) The method of claim 32, wherein the monoclonal antibody is a synthetic antibody.
35. (New) The method of claim 31, wherein the antibody is an antigen binding fragment of an antibody